

**Patent claims**

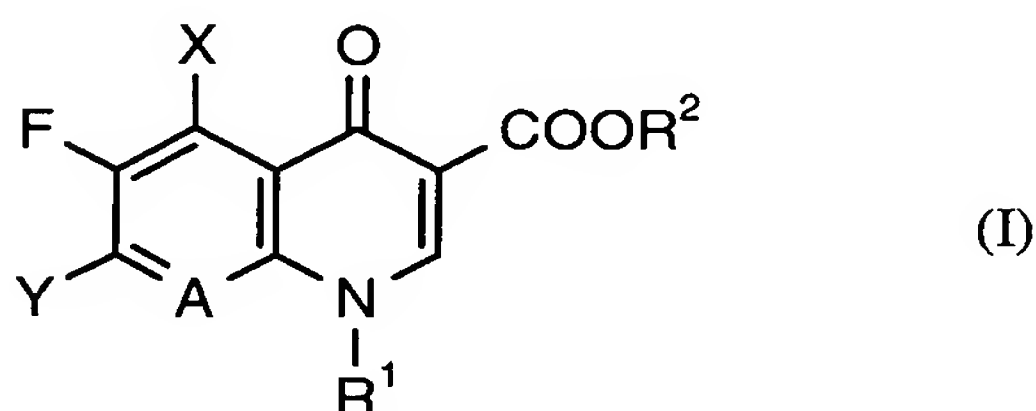
1. Use of

a) 8-cyanoquinolone antibiotics or

b) quinolone antibiotics selected from the group consisting of: garenoxacin,  
marbofloxacin, ibafloxacin, danofloxacin, difloxacin and orbifloxacin

for preparing medicaments for the systemic treatment of bacterial infections of the oral cavity.

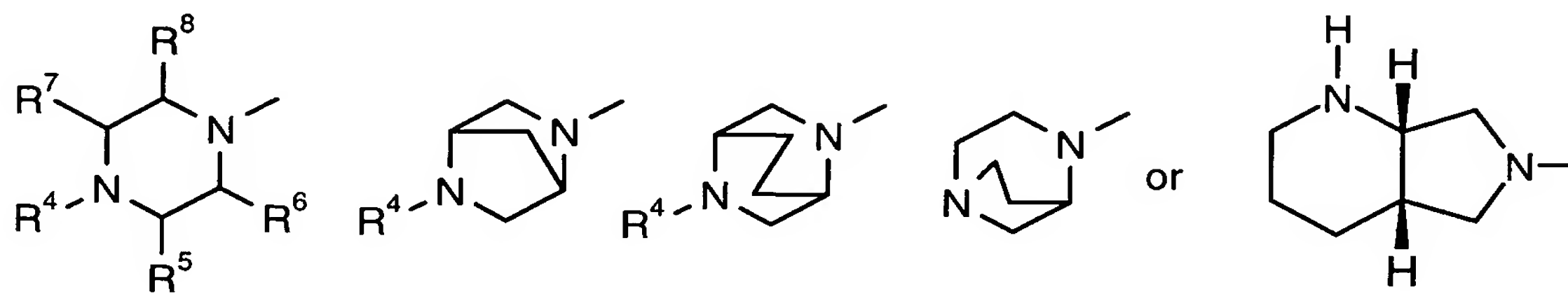
2. Use according to Claim 1 of 8-cyanoquinolone antibiotics of the formula (I):



in which

X represents hydrogen, halogen, C<sub>1-4</sub>-alkyl, C<sub>1-4</sub>-alkoxy, NH<sub>2</sub>,

Y represents radicals of the structure



in which

R<sup>4</sup> represents optionally hydroxyl- or methoxy-substituted straight-chain or branched C<sub>1-4</sub>-alkyl, cyclopropyl, acyl having 1 to 3 carbon atoms,

R<sup>5</sup> represents hydrogen, methyl, phenyl, thienyl or pyridyl,

R<sup>6</sup> represents hydrogen or C<sub>1-4</sub>-alkyl,

R<sup>7</sup> represents hydrogen or C<sub>1-4</sub>-alkyl,

R<sup>8</sup> represents hydrogen or C<sub>1-4</sub>-alkyl,

and

R<sup>1</sup> represents an alkyl radical having 1 to 3 carbon atoms, cyclopropyl, 2-fluoroethyl, methoxy, 4-fluorophenyl, 2,4-difluorophenyl or methylamino,

5 R<sup>2</sup> represents hydrogen or optionally methoxy- or 2-methoxyethoxy-substituted alkyl having 1 to 6 carbon atoms and also cyclohexyl, benzyl, 2-oxopropyl, phenacyl, ethoxycarbonylmethyl, pivaloyloxymethyl,

A represents =C(CN),

and their pharmaceutically acceptable salts and hydrates.

- 10 3. Use according to Claim 1 where the 8-cyanoquinolone antibiotic is Pradofloxacin.
4. Use according to Claim 1 for treating gingivitis, stomatitis, parodontitis and/or abscesses of the oral cavity.
- 15 5. Use according to Claim 1 where the disorders are mainly caused by bacteria of the group consisting of *Porphyromonas* spp., *Prevotella* spp., *Bacteroides* spp., *Actinobacillus actinomycetemcomitans*, *Fusobacterium* spp., *Peptostreptococcus* spp., *Eikenella corrodens*, *Capnocytophaga ochracea*, *Campylobacter rectus*.